NO:57) and Eco adapt2 (5'-P-AATTCTGCCCTCGGAG-3'; SEQ ID NO:58) were pre-annealed by denaturing in 30µl buffer (5mM Tris pH 7.4, 50mM MgCl2). 12ng of genomic DNA was ligated to a 250 fold molar excess of pre-annealed adapter primers in a 10µl ligation reaction with T4 DNA ligase and manufacturers buffer (NEB). Primers AP1 (5'-CCATCCTAATACGACTCACTATAGGGC-3'; SEQ ID NO:59) and exon 3 forward primer 3F (SEQ ID NO:34) were used in a primary PCR reaction with the EXPAND™ long Template PCR System (Roche Molecular Biochemicals, Germany) with no specific product. A nested reaction with adapter primer AP2 (5'-TCACTATAGGGCTCGAGCAGC-3'; SEQ ID NO:60) combined with a primer F3 from within exon 3 (5'-CGGCAGAGCAACCAGATTCTGC-3'; SEQ ID NO:61) yielded a single 2kb fragment.

B' Cont'd

REMARKS/ARGUMENTS

Attached hereto is a marked-up version of the change made to the specification by the current amendment. The attached page is captioned "**Version with markings to show changes made.**" Applicants assert that no new matter is entered herein, as Applicants are merely identifying the sequence number to which the already disclosed sequence pertained to.

Also pursuant to the outstanding Office Action, Applicants submit herewith two formal copies of an amended FIG. 3E and a marked up version of same. This amendment to the drawing was necessitated by the Notice from the Examiner regarding the sequences therein.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

Applicants submit herewith a Petition for Extension of Time of One Month and the requisite fee. Applicants believe no fee is due with this response. However, if a fee is due,

please charge our Deposit Account No. 06-2375, under Order No. HO-P01961US1 from which the undersigned is authorized to draw.

Dated: March 4, 2003

Respectfully submitted,

By _____

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Version With Markings to Show Changes Made

On page 63, the paragraph beginning on line 28, please replace the following paragraph:

DNA from a male abortus with an IP haplotype and NEMO rearrangement from family IP1 (Jouet et al) was digested with *Eco RI* and purified by ethanol precipitation. 750 pmoles of Adapter primers Eco adapt1 (5'-CTAATACGACTCACTATAGGGCTCGAGCAGCCTCCGAGGGCAG-3'; SEQ ID NO:57) and Eco adapt2 (5'-P-AATTCTGCCCTCGGAG-3'; SEQ ID NO:58) were pre-annealed by denaturing in 30µl buffer (5mM Tris pH 7.4, 50mM MgCl2). 12ng of genomic DNA was ligated to a 250 fold molar excess of pre-annealed adapter primers in a 10µl ligation reaction with T4 DNA ligase and manufacturers buffer (NEB). Primers AP1 (5'-CCATCCTAATACGACTCACTATAGGGC-3'; SEQ ID NO:59) and exon 3 forward primer 3F (SEQ ID NO:34) were used in a primary PCR reaction with the EXPAND™ long Template PCR System (Roche Molecular Biochemicals, Germany) with no specific product. A nested reaction with adapter primer AP2 (5'-TCACTATAGGGCTCGAGCAGC-3'; SEQ ID NO:60) combined with a primer F3 from within exon 3 (5'-CGGCAGAGCAACCAGATTCTGC-3'; SEQ ID NO:61) yielded a single 2kb fragment.